

Nervous System

Definition : Nervous System may be defined as the stimuli response region, the structural and functional unit of which is a *Neuron*.

General Terms :

Stimulus : Changes or events which excite an organism.

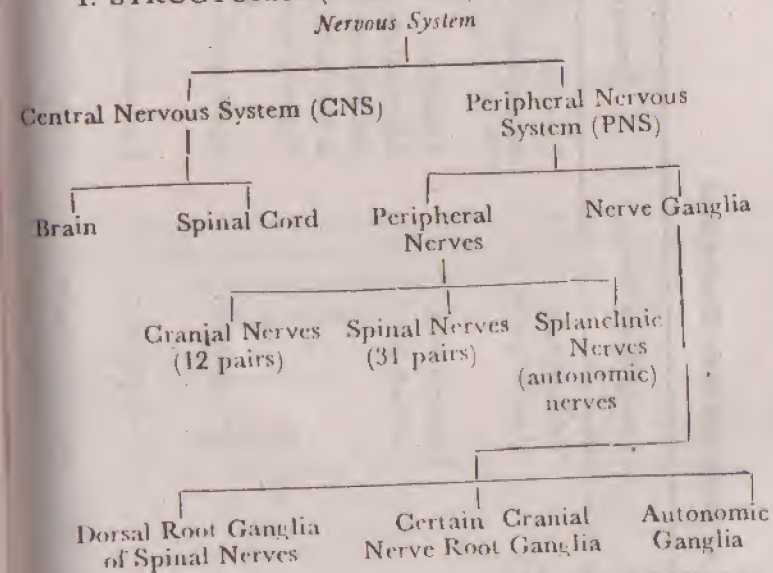
Receptors : Special structures which receive the stimulus.

Sensation : Feeling aroused by a stimulus.

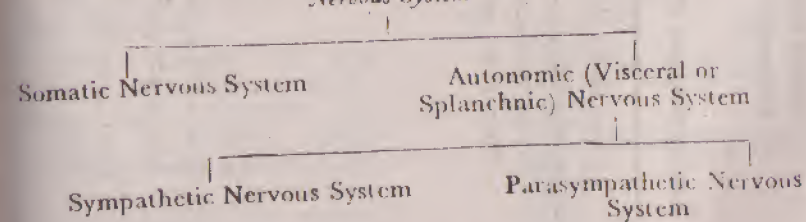
Response (Reactions) : The effect (s) resulting from a stimulus.

Classification of Nervous System

I. STRUCTURAL (Anatomical) CLASSIFICATION



II. FUNCTIONAL (Physiological) CLASSIFICATION



Long Thoracic Nerve	...	107
Axillary Nerve	...	107
Radial Nerve	...	109
Musculocutaneous Nerve	...	112
Median Nerve	...	113
Ulnar Nerve	...	118
Thoracic Ventral Rami	...	122—124
Lumbar Ventral Rami	...	125—130
Lumbar Plexus	...	125—130
Iliohypogastric Nerve	...	126
Ilioinguinal Nerve	...	126
Genitofemoral Nerve	...	127
Lateral Cutaneous Nerve of Thigh	...	127
Femoral Nerve	...	128
Obturator Nerve	...	129
Sacral Ventral Rami	...	130—140
Sacral Plexus	...	130
Sciatic Nerve	...	135
Common Peroneal Nerve	...	136
Deep Peroneal Nerve	...	137
Superficial Peroneal Nerve	...	137
Tibial Nerve	...	137
Medial Plantar Nerve	...	139
Lateral Plantar Nerve	...	139
Segmental Innervation of Lower Limb joints	...	139
Segmental Cutaneous innervation of Lower Limb	...	140

CHAPTER IV

AUTONOMIC (VISCERAL) NERVES

Sympathetic Nervous System	...	141—146
Efferent (Motor) Sympathetic Nerves	...	141
Afferent (Sensory) Sympathetic Nerves	...	145
Parasympathetic Nervous System	...	146—149
Efferent (Motor) Parasympathetic Nerves	...	146
Afferent (Sensory) Parasympathetic Nerves	...	149
Comparison of Sympathetic and Parasympathetic Nerves	...	149—150